

[54] DUAL CHANNEL CAPACITANCE
MEASUREMENT DEVICE

[76] Inventor: Donald M. Montana, 27 Woodberry
Rd., New Hartford, N.Y. 13413

[21] Appl. No.: 937,021

[22] Filed: Aug. 25, 1978

[51] Int. Cl.³ G01R 27/26

[52] U.S. Cl. 324/60 C

[58] Field of Search 324/60 C, 61 R, 60 CD,
324/60 R

[56]

References Cited

U.S. PATENT DOCUMENTS

4,065,715 12/1977 Jaffe et al. 324/60 CD

Primary Examiner—Ernest F. Karlson

Attorney, Agent, or Firm—Donald J. Singer; Robert
Kern Duncan

[57]

ABSTRACT

The capacitance of an unknown capacitor is determined by counting the cycles of a known frequency contained within a time gate whose time duration is determined by subtracting a gate whose length is equivalent to the stray measuring capacitance from a gate whose length is determined by the capacitance of the unknown capacitor plus the unavoidable stray measuring capacitances.

1 Claim, 12 Drawing Figures

